

# METHOD AND APPARATUS FOR DEVELOPING DNA MICROARRAYS

## Abstract of the Disclosure

The invention relates to methods and systems for high throughput and quantitative processing, assaying and development of microarrays of DNA, proteins and other biological and chemical reagents. An in-line processing system can be utilized based on a continuous indexing of microarray slides or substrates through a series of processes where different functions or processes are performed at different positions on a conveyor. A batch processing system can also be utilized, wherein the process steps are performed serially to an array of microarray slides or substrates mounted on a movable table or carriage. A versatile positive displacement aerosol dispensing system has the ability to aspirate fluid. A universal substrate cassette can hold a plurality of substrates or slides through a number of process steps without the need to remove the substrates or slides from the cassette.

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